INTERNATIONAL SEARCH REPORT

In nal Application No PCI/EP2004/009067

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C12N15/63 C12N15/21 C07K14/56

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12N C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, MEDLINE, EMBASE, CHEM ABS Data, SCISEARCH, Sequence Search

Category °	Chalion of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	BOURDINEAUD J P ET AL: "CYTOPLASMIC AND PERIPLASMIC EXPRESSION OF A SYNTHETIC GENE FOR FERREDOXIN IN ESCHERICHIA-COLI" BIOCHIMIE (PARIS), vol. 72, no. 6-7, 1990, pages 407-415, XP002316190 ISSN: 0300-9084 *Whole document, in particular: Abstract; page 410, left hand column, last paragraph-page 411, right hand column, first full paragraph; Discussion and figure 3*	1-41
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Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: A* document defining the general state of the art which is not considered to be of particular relevance E* earlier document but published on or after the international filing date L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O* document referring to an oral disclosure, use, exhibition or other means P* document published prior to the international filing date but later than the priority date claimed	 "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the International search	Date of mailing of the international search report
18 February 2005	04/03/2005
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	BULCAO DE MELO BARRE

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C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
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A	WEICKERT M J ET AL: "OPTIMIZATION OF HETEROLOGOUS PROTEIN PRODUCTION IN ESCHERICHIA COLI" CURRENT OPINION IN BIOTECHNOLOGY, LONDON, GB, vol. 7, no. 5, 1996, pages 494-499, XP000995157 ISSN: 0958-1669 *Whole document, in particular: Abstract and table 1*	1-41	
A	HUMPHREYS D P ET AL: "High-Level Periplasmic Expression in Escherichia coli Using a Eukaryotic Signal Peptide: Importance of Codon Usage at the 5' End of the Coding Sequence" PROTEIN EXPRESSION AND PURIFICATION, ACADEMIC PRESS, SAN DIEGO, CA, US, vol. 20, no. 2, November 2000 (2000-11), pages 252-264, XP004435483 ISSN: 1046-5928 *whole document, in particular: Abstract, table 1 and figure 1*	1-41	
Α	MATSUDA A ET AL: "MOLECULAR CLONING AND STRUCTURE OF THE GENE FOR 7-BETA-4 CARBOXYBUTANAMIDOCEPHALOSPORANIC-ACID ACYLASE FROM A PSEUDOMONAS STRAIN" JOURNAL OF BACTERIOLOGY, vol. 163, no. 3, 1985, pages 1222-1228, XP002316191 ISSN: 0021-9193 *Whole document, in particular: Abstract and figure 5*	1-41	
A	US 5 710 027 Å (HAUPTMANN ET AL) 20 January 1998 (1998-01-20) *whole document, in particular: Abstract and claims*	1-41	

INTERNATIONAL SEARCH REPORT

nformation on patent family members

In nal Application No PCT/EP2004/009067

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